

## Table K2. - Soil Features

Carroll County, Virginia

Absence of an entry indicates that the feature is not a concern or that data were not estimated.

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
AIB: Altavista	---	---	---	---	---	---	---	Moderate	Moderate
At: Atkins	Bedrock (lithic)	30-60	---	Indurated	---	---	High	High	Moderate
BoE: Bolton	---	---	---	---	---	---	Moderate	Moderate	High
BrC: Braddock	---	---	---	---	---	---	Low	Low	High
Bu: Buncombe	---	---	---	---	---	---	---	Low	Moderate
Hatboro	---	---	---	---	---	---	---	---	---
CeB: Cecil	---	---	---	---	---	---	---	High	High
CeB2: Cecil	---	---	---	---	---	---	---	High	High
CeC:									

## Table K2. - Soil Features - Continued

Carroll County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
CeC:									
Cecil	---	---	---	---	---	---	---	High	High
CeC2:									
Cecil	---	---	---	---	---	---	---	High	High
CgB:									
Chester	---	---	---	---	---	---	Moderate	Low	High
Glenelg	---	---	---	---	---	---	Moderate	Low	High
CgC:									
Chester	---	---	---	---	---	---	Moderate	Low	High
Glenelg	---	---	---	---	---	---	Moderate	Low	High
CgC2:									
Chester	---	---	---	---	---	---	Moderate	Low	High
Glenelg	---	---	---	---	---	---	Moderate	Low	High
CgE:									
Chester	---	---	---	---	---	---	Moderate	Low	High

**Table K2. - Soil Features - Continued**

Carroll County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
CgE:									
Glenelg	---	---	---	---	---	---	Moderate	Low	High
CgE2:									
Chester	---	---	---	---	---	---	Moderate	Low	High
Glenelg	---	---	---	---	---	---	Moderate	Low	High
ChB:									
Chester	---	---	---	---	---	---	Moderate	Low	High
Glenelg	---	---	---	---	---	---	Moderate	Low	High
ChB2:									
Chester	---	---	---	---	---	---	Moderate	Low	High
Glenelg	---	---	---	---	---	---	Moderate	Low	High
ChC:									
Chester	---	---	---	---	---	---	Moderate	Low	High
Glenelg	---	---	---	---	---	---	Moderate	Low	High
ChC2:									

**Table K2. - Soil Features - Continued**

Carroll County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
ChC2:									
Chester	---	---	---	---	---	---	Moderate	Low	High
Glenelg	---	---	---	---	---	---	Moderate	Low	High
ChE:									
Chester	---	---	---	---	---	---	Moderate	Low	High
Glenelg	---	---	---	---	---	---	Moderate	Low	High
ChE2:									
Chester	---	---	---	---	---	---	Moderate	Low	High
Glenelg	---	---	---	---	---	---	Moderate	Low	High
CIC:									
Clymer	Bedrock (paralithic)	42-60	---	Strongly cemented	---	---	Moderate	Low	High
CID:									
Clymer	Bedrock (paralithic)	42-60	---	Strongly cemented	---	---	Moderate	Low	High
Co:									
Codorus	---	---	---	---	---	---	High	High	Moderate

## Table K2. - Soil Features - Continued

Carroll County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
Co:									
Hatboro	---	---	---	---	---	---	---	---	---
Toxaway	---	---	---	---	---	---	---	---	---
Cs:									
Codorus	---	---	---	---	---	---	High	High	Moderate
Hatboro	---	---	---	---	---	---	High	High	Moderate
Cu:									
Comus	---	---	---	---	---	---	Moderate	Low	High
Hatboro	---	---	---	---	---	---	---	---	---
CyE:									
Corydon	Bedrock (lithic)	10-20	---	Indurated	---	---	Moderate	Moderate	Low
EdC:									
Edneyville	---	---	---	---	---	---	Moderate	Low	High
EkC:									
Elioak	---	---	---	---	---	---	Moderate	High	Moderate
EkC2:									

## Table K2. - Soil Features - Continued

Carroll County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
EkC2: Elioak	---	---	---	---	---	---	Moderate	High	Moderate
EkD: Elioak	---	---	---	---	---	---	Moderate	High	Moderate
EkD2: Elioak	---	---	---	---	---	---	Moderate	High	Moderate
FcC: Fletcher	Bedrock (lithic)	40-60	---	Very strongly cemented	---	---	---	Low	Moderate
FcD: Fletcher	Bedrock (lithic)	40-60	---	Very strongly cemented	---	---	---	Low	Moderate
GnC: Gilpin	Bedrock (paralithic)	20-40	---	Very strongly cemented	---	---	Moderate	Low	High
GnC2: Gilpin	Bedrock (paralithic)	20-40	---	Very strongly cemented	---	---	Moderate	Low	High
GnD:									

**Table K2. - Soil Features - Continued**

Carroll County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
GnD: Gilpin	Bedrock (paralithic)	20-40	---	Very strongly cemented	---	---	Moderate	Low	High
Gr: Gravelly alluvial land	Bedrock (lithic)	36-48	---	Indurated	---	---	---	---	---
Gu: Gullied land	---	---	---	---	---	---	---	---	---
Ha: Hatboro	---	---	---	---	---	---	High	High	Moderate
Toxaway	---	---	---	---	---	---	---	---	---
Hb: Hatboro	---	---	---	---	---	---	High	High	Moderate
Toxaway	---	---	---	---	---	---	High	High	Moderate
HcC: Hayesville	---	---	---	---	---	---	Moderate	Moderate	Moderate
HcD2: Hayesville	---	---	---	---	---	---	Moderate	Moderate	Moderate

**Table K2. - Soil Features - Continued**

Carroll County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
HeB: Hayesville	---	---	---	---	---	---	Moderate	Moderate	Moderate
HeB2: Hayesville	---	---	---	---	---	---	Moderate	Moderate	Moderate
HeC: Hayesville	---	---	---	---	---	---	Moderate	Moderate	Moderate
HeC2: Hayesville	---	---	---	---	---	---	Moderate	Moderate	Moderate
HeD: Hayesville	---	---	---	---	---	---	Moderate	Moderate	Moderate
HeD2: Hayesville	---	---	---	---	---	---	Moderate	Moderate	Moderate
HmE: Hazel	Bedrock (lithic)	20-40	---	Indurated	---	---	Moderate	Low	High
HmF: Hazel	Bedrock (lithic)	20-40	---	Indurated	---	---	Moderate	Low	High
HnC:									



**Table K2. - Soil Features - Continued**

Carroll County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
HnC: Hazel	Bedrock (lithic)	20-40	---	Indurated	---	---	Moderate	Low	High
HnE: Hazel	Bedrock (lithic)	20-40	---	Indurated	---	---	Moderate	Low	High
HtB: Hiwassee	---	---	---	---	---	---	---	Moderate	Moderate
Turbeville	---	---	---	---	---	---	---	High	High
HtC: Hiwassee	---	---	---	---	---	---	---	Moderate	Moderate
Turbeville	---	---	---	---	---	---	---	High	High
HtD: Hiwassee	---	---	---	---	---	---	---	Moderate	Moderate
Turbeville	---	---	---	---	---	---	---	High	High
HuC: Hiwassee	---	---	---	---	---	---	---	Moderate	Moderate

**Table K2. - Soil Features - Continued**

Carroll County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
HuC:									
Turbeville	---	---	---	---	---	---	---	High	High
HuD:									
Hiwassee	---	---	---	---	---	---	---	Moderate	Moderate
Turbeville	---	---	---	---	---	---	---	High	High
HvC:									
Hiwassee	---	---	---	---	---	---	---	Moderate	Moderate
Turbeville	---	---	---	---	---	---	---	High	High
LcE:									
Louisa	Bedrock (paralithic)	4-20	---	Indurated	---	---	---	Low	Moderate
LoD:									
Louisburg	Bedrock (lithic)	20-39	---	Very strongly cemented	---	---	---	Low	Moderate
LoE:									
Louisburg	Bedrock (lithic)	20-39	---	Very strongly cemented	---	---	---	High	Moderate
MaC:									

**Table K2. - Soil Features - Continued**

Carroll County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
MaC: Madison	---	---	---	---	---	---	---	High	Moderate
MaC2: Madison	---	---	---	---	---	---	---	High	Moderate
MaD: Madison	---	---	---	---	---	---	---	High	Moderate
MaD2: Madison	---	---	---	---	---	---	---	High	Moderate
MaE: Madison	---	---	---	---	---	---	---	High	Moderate
MdB: Madison	---	---	---	---	---	---	---	High	Moderate
MdB2: Madison	---	---	---	---	---	---	---	High	Moderate
MdC: Madison	---	---	---	---	---	---	---	High	Moderate
MdC2:									

**Table K2. - Soil Features - Continued**

Carroll County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
MdC2: Madison	---	---	---	---	---	---	---	High	Moderate
MdD: Madison	---	---	---	---	---	---	---	High	Moderate
MdD2: Madison	---	---	---	---	---	---	---	High	Moderate
MdE: Madison	---	---	---	---	---	---	---	High	Moderate
MdE2: Madison	---	---	---	---	---	---	---	High	Moderate
ML: Made land	---	---	---	---	---	---	---	---	---
MnC: Manor	---	---	---	---	---	---	Moderate	Low	Moderate
MnD: Manor	---	---	---	---	---	---	Moderate	Low	Moderate
MnE:									

## Table K2. - Soil Features - Continued

Carroll County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
MnE: Manor	---	---	---	---	---	---	Moderate	Low	Moderate
MnF: Manor	---	---	---	---	---	---	Moderate	Low	Moderate
MoC: Manor	---	---	---	---	---	---	Moderate	Low	Moderate
MoE: Manor	---	---	---	---	---	---	Moderate	Low	Moderate
MoF: Manor	---	---	---	---	---	---	Moderate	Low	Moderate
MrB: Myersville	Bedrock (paralithic)	40-60	---	Weakly cemented	---	---	Moderate	Moderate	Moderate
MrC: Myersville	Bedrock (paralithic)	40-60	---	Weakly cemented	---	---	Moderate	Moderate	Moderate
MrC2: Myersville	Bedrock (paralithic)	40-60	---	Weakly cemented	---	---	Moderate	Moderate	Moderate
MrE:									

## Table K2. - Soil Features - Continued

Carroll County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
MrE: Myersville	Bedrock (paralithic)	40-60	---	Weakly cemented	---	---	Moderate	Moderate	Moderate
MrE2: Myersville	Bedrock (paralithic)	40-60	---	Weakly cemented	---	---	Moderate	Moderate	Moderate
MsC: Myersville	Bedrock (paralithic)	40-60	---	Weakly cemented	---	---	Moderate	Moderate	Moderate
MsE: Myersville	Bedrock (paralithic)	40-60	---	Weakly cemented	---	---	Moderate	Moderate	Moderate
MyC: Myersville	Bedrock (paralithic)	40-60	---	Weakly cemented	---	---	Moderate	Moderate	Moderate
MyE: Myersville	Bedrock (paralithic)	40-60	---	Weakly cemented	---	---	Moderate	Moderate	Moderate
PoC: Porters	Bedrock (paralithic)	20-39	---	Strongly cemented	---	---	Moderate	Low	High
PoD: Porters	Bedrock (paralithic)	40-60	---	Strongly cemented	---	---	Moderate	Low	High
PoE:									

**Table K2. - Soil Features - Continued**

Carroll County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
PoE: Porters	Bedrock (paralithic)	40-60	---	Strongly cemented	---	---	Moderate	Low	High
PoF: Porters	Bedrock (paralithic)	40-60	---	Strongly cemented	---	---	Moderate	Low	High
QU: Mines	---	---	---	---	---	---	---	---	---
Quarries	---	---	---	---	---	---	---	---	---
RaC: Rabun	---	---	---	---	---	---	---	High	Moderate
RaD: Rabun	---	---	---	---	---	---	---	High	Moderate
RaD2: Rabun	---	---	---	---	---	---	---	High	Moderate
RaE: Rabun	---	---	---	---	---	---	---	High	Moderate
Rg: Rock land	---	---	---	---	---	---	---	---	---

## Table K2. - Soil Features - Continued

Carroll County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
RI: Rock land	---	---	---	---	---	---	---	---	---
RmE: Ramsey	Bedrock (lithic)	10-20	---	---	---	---	---	Low	Moderate
RmF: Ramsey	Bedrock (lithic)	10-20	---	---	---	---	---	Low	Moderate
Rr: Rock land	---	---	---	---	---	---	---	---	---
ScD: Shelocta	---	---	---	---	---	---	---	Low	High
ShB: Shelocta	---	---	---	---	---	---	---	Low	High
ShC: Shelocta	---	---	---	---	---	---	---	Low	High
ShD: Shelocta	---	---	---	---	---	---	---	Low	High
SrB:									



**Table K2. - Soil Features - Continued**

Carroll County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
SrB: Starr	---	---	---	---	---	---	---	Moderate	Moderate
SrC: Starr	---	---	---	---	---	---	---	Moderate	Moderate
SsA: State	---	---	---	---	---	---	---	Moderate	High
SsB: State	---	---	---	---	---	---	---	Moderate	High
St: Stony colluvial land	---	---	---	---	---	---	---	---	---
SuC: Stony land	---	---	---	---	---	---	---	---	---
SuE: Stony land	---	---	---	---	---	---	---	---	---
SuF: Stony land	---	---	---	---	---	---	---	---	---
TaC:									

## Table K2. - Soil Features - Continued

Carroll County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
TaC: Talladega	Bedrock (paralithic)	10-40	---	Weakly cemented	---	---	Low	Moderate	High
TaD: Talladega	Bedrock (paralithic)	10-40	---	Weakly cemented	---	---	Low	Moderate	High
TaE: Talladega	Bedrock (paralithic)	10-40	---	Weakly cemented	---	---	Low	Moderate	High
To: Toxaway	---	---	---	---	---	---	High	High	Moderate
Hatboro	---	---	---	---	---	---	---	---	---
TsC: Tusquitee	---	---	---	---	---	---	Moderate	Moderate	Moderate
TuB: Tusquitee	---	---	---	---	---	---	Moderate	Moderate	Moderate
TuC: Tusquitee	---	---	---	---	---	---	Moderate	Moderate	Moderate
TuD: Tusquitee	---	---	---	---	---	---	Moderate	Moderate	Moderate

**Table K2. - Soil Features - Continued**

Carroll County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
TvC: Tusquitee	---	---	---	---	---	---	Moderate	Moderate	Moderate
TvD: Tusquitee	---	---	---	---	---	---	Moderate	Moderate	Moderate
W: Water	---	---	---	---	---	---	---	---	---
WaC: Watauga	---	---	---	---	---	---	---	Moderate	Moderate
WaD: Watauga	---	---	---	---	---	---	---	Moderate	Moderate
WaE: Watauga	---	---	---	---	---	---	---	Moderate	Moderate
WgC: Watauga	---	---	---	---	---	---	---	Moderate	Moderate
WgD: Watauga	---	---	---	---	---	---	---	Moderate	Moderate
WgE:									

## Table K2. - Soil Features - Continued

Carroll County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
WgE: Watauga	---	---	---	---	---	---	---	Moderate	Moderate
WhC: Weikert	Bedrock (paralithic)	10-20	---	Very strongly cemented	---	---	Moderate	Moderate	Moderate
WhD: Weikert	Bedrock (paralithic)	10-20	---	Very strongly cemented	---	---	Moderate	Moderate	Moderate
WhE: Weikert	Bedrock (paralithic)	10-20	---	Very strongly cemented	---	---	Moderate	Moderate	Moderate
WkD: Weikert	Bedrock (paralithic)	10-20	---	Very strongly cemented	---	---	Moderate	Moderate	Moderate
WkE: Weikert	Bedrock (paralithic)	10-20	---	Very strongly cemented	---	---	Moderate	Moderate	Moderate
WkF: Weikert	Bedrock (paralithic)	10-20	---	Very strongly cemented	---	---	Moderate	Moderate	Moderate
WmB:									

**Table K2. - Soil Features - Continued**

Carroll County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
WmB: Wickham	---	---	---	---	---	---	---	Moderate	High
WmC: Wickham	---	---	---	---	---	---	---	Moderate	High
WsB: Wickham	---	---	---	---	---	---	---	Moderate	High
WsC: Wickham	---	---	---	---	---	---	---	Moderate	High
WsC2: Wickham	---	---	---	---	---	---	---	Moderate	High
WtB: Worsham	---	---	---	---	---	---	---	High	Moderate